

FILE 'HOME' ENTERED AT 16:37:21 ON 03 DEC 2003

=> file reg
COST IN U.S. DOLLARS
SINCE FILE ENTRY
SESSION
FILL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 16:37:31 ON 03 DEC 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3
DICTIONARY FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

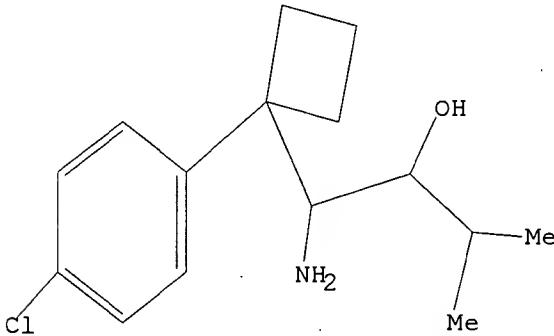
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
Uploading 195.str

L1 STRUCTURE uploaded

=> d
L1 HAS NO ANSWERS
L1 S



Structure attributes must be viewed using STN Express query preparation.

=> s 11
SAMPLE SEARCH INITIATED 16:37:52 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 39 TO ITERATE

100.0% PROCESSED 39 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**
406 TO 1154
0 TO 0

PROJECTED ITERATIONS: 406 TO 1154
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

```
=> s 11 ful
FULL SEARCH INITIATED 16:37:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 835 TO ITERATE
```

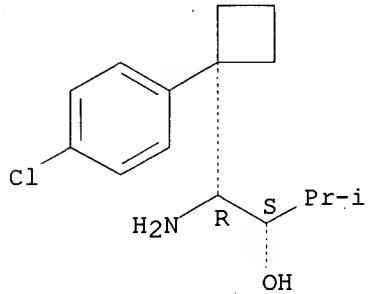
100.0% PROCESSED 835 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.01

L3 6 SEA SSS FUL L1

=> d 13 1-6

L3 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
RN 435343-98-9 REGISTRY
CN Cyclobutaneethanol, .beta.-amino-1-(4-chlorophenyl)-.alpha.-(1-methylethyl)-, hydrochloride, (.alpha.S,.beta.R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C15 H22 Cl N O . Cl H
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
CRN (435343-97-8)

Absolute stereochemistry.

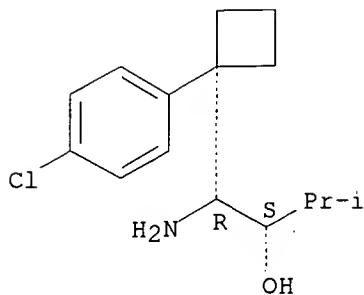


HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
RN 435343-97-8 REGISTRY
CN Cyclobutaneethanol, .beta.-amino-1-(4-chlorophenyl)-.alpha.- (1-methylethyl)-, (.alpha.S,.beta.R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C15 H22 Cl N O
CI COM
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

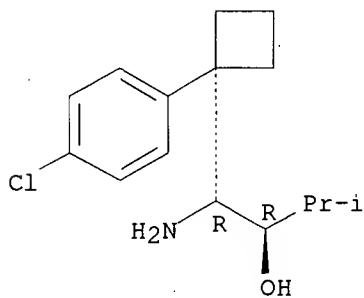


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 435343-96-7 REGISTRY
 CN Cyclobutaneethanol, .beta.-amino-1-(4-chlorophenyl)-.alpha.-(1-methylethyl)-, hydrochloride, (.alpha.R,.beta.R)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C15 H22 Cl N O . Cl H
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 CRN (435343-95-6)

Absolute stereochemistry.

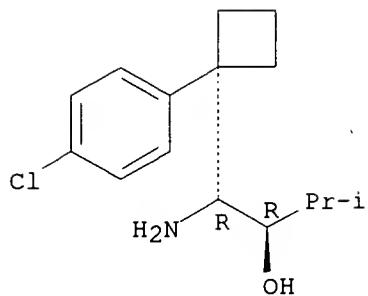


HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 435343-95-6 REGISTRY
 CN Cyclobutaneethanol, .beta.-amino-1-(4-chlorophenyl)-.alpha.-(1-methylethyl)-, (.alpha.R,.beta.R)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C15 H22 Cl N O
 CI COM
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

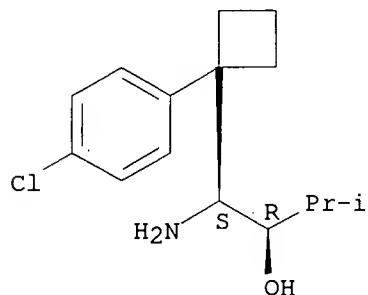


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 435343-94-5 REGISTRY
 CN Cyclobutaneethanol, .beta.-amino-1-(4-chlorophenyl)-.alpha.-(1-methylethyl)-, hydrochloride, (.alpha.R,.beta.S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C15 H22 Cl N O . Cl H
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

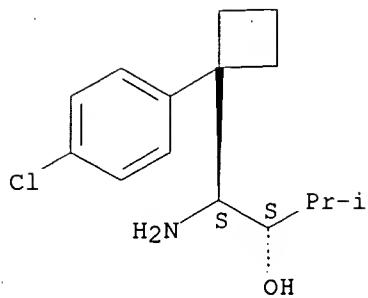


HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 435343-93-4 REGISTRY
 CN Cyclobutaneethanol, .beta.-amino-1-(4-chlorophenyl)-.alpha.-(1-methylethyl)-, hydrochloride, (.alpha.S,.beta.S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C15 H22 Cl N O . Cl H
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
 COST IN U.S. DOLLARS. SINCE FILE TOTAL
 ENTRY SESSION
 FULL ESTIMATED COST 158.23 158.44

FILE 'CAPLUS' ENTERED AT 16:38:13 ON 03 DEC 2003
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FILE COVERS 1907 - 3 Dec 2003 VOL 139 ISS 23
 FILE LAST UPDATED: 2 Dec 2003 (20031202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 1 L3

=> d

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:449632 CAPLUS
 DN 137:20209
 TI Preparation of hydroxylated sibutramine analogs as neuronal monoamine uptake inhibitors
 IN Senanayake, Chrisantha H.; Rubin, Paul D.; Jerussi, Thomas P.
 PA Sepracor Inc., USA
 SO PCT Int. Appl., 115 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|------|-----------------|------|
|------------|------|------|-----------------|------|

| | | | | | |
|------|--|----|----------|-----------------|----------|
| PI | WO 2002046138 | A2 | 20020613 | WO 2001-US47433 | 20011204 |
| | WO 2002046138 | A3 | 20030123 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US | 2002115727 | A1 | 20020822 | US 2001-998195 | 20011203 |
| AU | 2002039572 | A5 | 20020618 | AU 2002-39572 | 20011204 |
| EP | 1353896 | A2 | 20031022 | EP 2001-987345 | 20011204 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| PRAI | US 2000-250524P | P | 20001204 | | |
| | US 2000-257052P | P | 20001222 | | |
| | WO 2001-US47433 | W | 20011204 | | |
| OS | MARPAT 137:20209 | | | | |

=> file reg

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 1.84 | 160.28 |

FILE 'REGISTRY' ENTERED AT 16:39:18 ON 03 DEC 2003
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3
 DICTIONARY FILE UPDATES: 2 DEC 2003 HIGHEST RN 622845-74-3

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

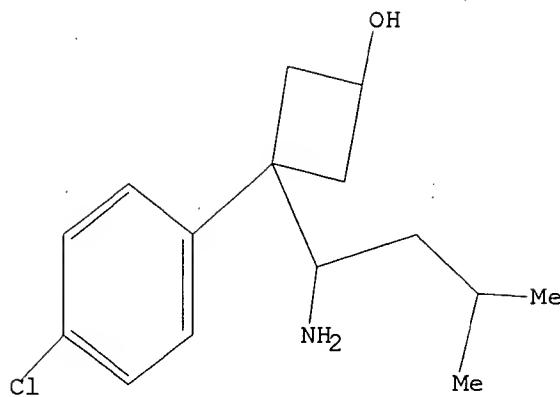
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
 Uploading 195.str

L5 STRUCTURE UPLOADED

=> d
 L5 HAS NO ANSWERS
 L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 15
 SAMPLE SEARCH INITIATED 16:39:34 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 1 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 2 TO 124
 PROJECTED ANSWERS: 1 TO 80

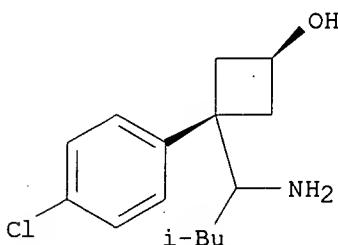
L6 1 SEA SSS SAM L5

=> d
 L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 186521-89-1 REGISTRY
 CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, trans-,
 (2E)-2-butenedioate (1:1) (salt) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, trans-,
 (E)-2-butenedioate (1:1) (salt)
 FS STEREOSEARCH
 MF C15 H22 Cl N O . C4 H4 O4
 SR CA
 LC STN Files: CA, CAPLUS

CM 1

CRN 186521-84-6
 CMF C15 H22 Cl N O

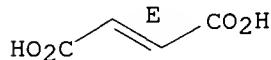
Relative stereochemistry.



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 15 ful

FULL SEARCH INITIATED 16:39:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 30 TO ITERATE

100.0% PROCESSED 30 ITERATIONS
SEARCH TIME: 00.00.01

11 ANSWERS

L7 11 SEA SSS FUL L5

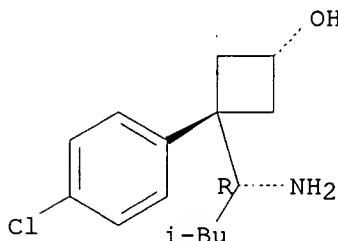
=> d 17 1-11

L7 ANSWER 1 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN
RN 435343-80-9 REGISTRY
CN Cyclobutanol, 3-[(1R)-1-amino-3-methylbutyl]-3-(4-chlorophenyl)-, cis-,
(2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C15 H22 Cl N O . C4 H6 O6
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 435343-79-6
CMF C15 H22 Cl N O

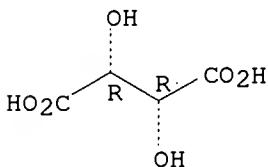
Absolute stereochemistry.

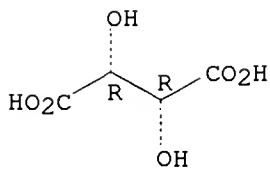


CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.

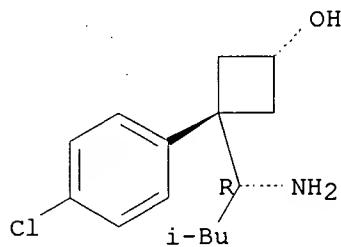




1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 2 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 435343-79-6 REGISTRY
 CN Cyclobutanol, 3-[(1R)-1-amino-3-methylbutyl]-3-(4-chlorophenyl)-, cis- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C15 H22 Cl N O
 CI COM
 SR CA

Absolute stereochemistry.



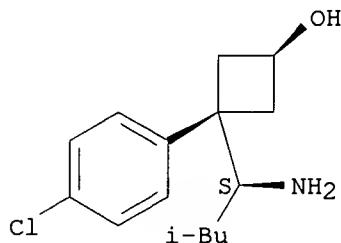
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 3 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 435343-78-5 REGISTRY
 CN Cyclobutanol, 3-[(1S)-1-amino-3-methylbutyl]-3-(4-chlorophenyl)-, trans-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C15 H22 Cl N O . C4 H6 O6
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 435343-77-4
 CMF C15 H22 Cl N O

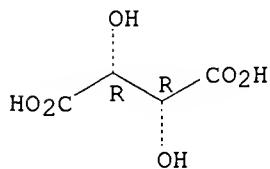
Absolute stereochemistry.



CM 2

CRN 87-69-4
CMF C4 H6 O6

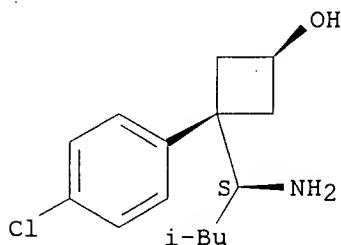
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 4 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN
RN 435343-77-4 REGISTRY
CN Cyclobutanol, 3-[(1S)-1-amino-3-methylbutyl]-3-(4-chlorophenyl)-, trans-
(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C15 H22 Cl N O
CI COM
SR CA

Absolute stereochemistry.



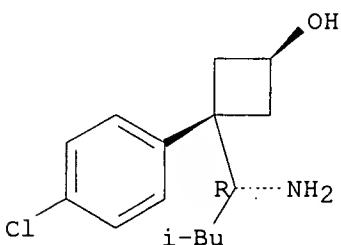
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

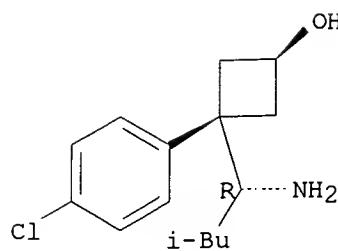
L7 ANSWER 5 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN
RN 435343-76-3 REGISTRY
CN Cyclobutanol, 3-[(1R)-1-amino-3-methylbutyl]-3-(4-chlorophenyl)-, trans-,
(2S,3S)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C15 H22 Cl N O . C4 H6 O6
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 435343-75-2
CMF C15 H22 Cl N O

Absolute stereochemistry.

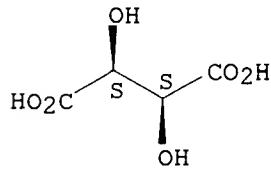




CM 2

CRN 147-71-7
CMF C4 H6 O6

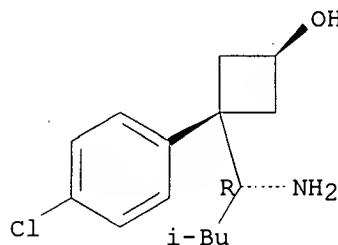
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 6 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN
RN 435343-75-2 REGISTRY
CN Cyclobutanol, 3-[(1R)-1-amino-3-methylbutyl]-3-(4-chlorophenyl)-, trans-
(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C15 H22 Cl N O
CI COM
SR CA

Absolute stereochemistry.



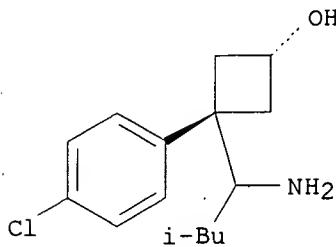
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 7 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN
RN 186521-92-6 REGISTRY
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, cis-,
(2E)-2-butenedioate (10:9) (salt) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, cis-,
(E)-2-butenedioate (10:9) (salt)
FS STEREOSEARCH
MF C15 H22 Cl N O . 9/10 C4 H4 O4
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 186521-90-4
CMF C15 H22 Cl N O

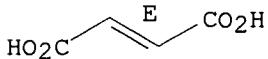
Relative stereochemistry.



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



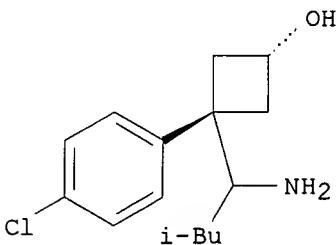
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 8 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN
RN 186521-91-5 REGISTRY
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, cis-,
(2E)-2-butenedioate (1:1) (salt) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, cis-,
(E)-2-butenedioate (1:1) (salt)
FS STEREOSEARCH
MF C15 H22 Cl N O . C4 H4 O4
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 186521-90-4
CMF C15 H22 Cl N O

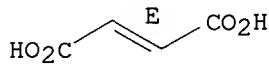
Relative stereochemistry.



CM 2

CRN 110-17-8
CMF C4 H4 O4

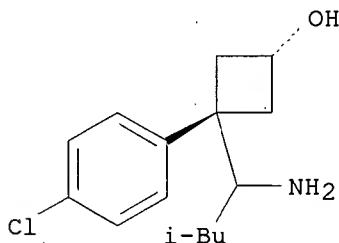
Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN
RN 186521-90-4 REGISTRY
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, cis- (9CI)
(CA INDEX NAME)
FS STEREOSEARCH
MF C15 H22 Cl N O
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

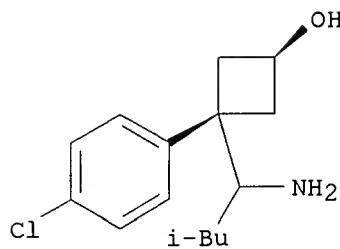
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN
RN 186521-89-1 REGISTRY
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, trans-,
(2E)-2-butenedioate (1:1) (salt) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, trans-,
(E)-2-butenedioate (1:1) (salt)
FS STEREOSEARCH
MF C15 H22 Cl N O . C4 H4 O4
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 186521-84-6
CMF C15 H22 Cl N O

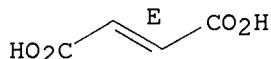
Relative stereochemistry.



CM 2

CRN 110-17-8
CMF C4 H4 O4

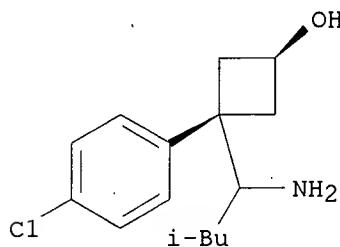
Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2003 ACS on STN
RN 186521-84-6 REGISTRY
CN Cyclobutanol, 3-(1-amino-3-methylbutyl)-3-(4-chlorophenyl)-, trans- (9CI)
(CA INDEX NAME)
FS STEREOSEARCH
MF C15 H22 Cl N O
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

| | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|---------------------|------------------|
| => file caplus | | |
| COST IN U.S. DOLLARS | | |
| FULL ESTIMATED COST | 168.31 | 328.59 |

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FILE COVERS 1907 - 3 Dec 2003 VOL 139 ISS 23

FILE LAST UPDATED: 2 Dec 2003 (20031202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 17

L8 2 L7

=> d 18 1-2

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:449632 CAPLUS
DN 137:20209
TI Preparation of hydroxylated sibutramine analogs as neuronal monoamine uptake inhibitors
IN Senanayake, Chrisantha H.; Rubin, Paul D.; Jerussi, Thomas P.
PA Sepracor Inc., USA
SO PCT Int. Appl., 115 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|--|----------|-----------------|----------|
| PI | WO 2002046138 | A2 | 20020613 | WO 2001-US47433 | 20011204 |
| | WO 2002046138 | A3 | 20030123 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| | US 2002115727 | A1 | 20020822 | US 2001-998195 | 20011203 |
| | AU 2002039572 | A5 | 20020618 | AU 2002-39572 | 20011204 |
| | EP 1353896 | A2 | 20031022 | EP 2001-987345 | 20011204 |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| PRAI | US 2000-250524P | P | 20001204 | | |
| | US 2000-257052P | P | 20001222 | | |
| | WO 2001-US47433 | W | 20011204 | | |
| OS | MARPAT | 137:20209 | | | |

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1996:713861 CAPLUS

DN 126:143907

TI Synthesis of sibutramine, a novel cyclobutylalkylamine useful in the treatment of obesity, and its major human metabolites

AU Jeffery, James E.; Kerrigan, Frank; Miller, Thomas K.; Smith, Graham J.; Tometzki, Gerald B.

CS Knoll Pharmaceuticals, Res. Development Dep., Nottingham, NG1 1GF, UK

SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1996), (21), 2583-2589

CODEN: JCPRB4; ISSN: 0300-922X

PB Royal Society of Chemistry

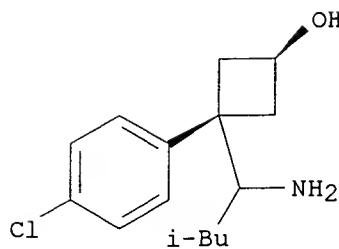
DT Journal

LA English

OS CASREACT 126:143907

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

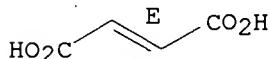
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CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS
SINCE FILE ENTRY TOTAL
SESSION
FULL ESTIMATED COST 2.08 2.29

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FILE COVERS 1907 - 3 Dec 2003 VOL 139 ISS 23
FILE LAST UPDATED: 2 Dec 2003 (20031202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 11

L2 1 L1

=> d

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1996:713861 CAPLUS
DN 126:143907
TI Synthesis of sibutramine, a novel cyclobutylalkylamine useful in the treatment of obesity, and its major human metabolites
AU Jeffery, James E.; Kerrigan, Frank; Miller, Thomas K.; Smith, Graham J.; Tometzki, Gerald B.

CS Knoll Pharmaceuticals, Res. Development Dep., Nottingham, NG1 1GF, UK
SO Journal of the Chemical Society, Perkin Transactions 1: Organic and
Bio-Organic Chemistry (1996), (21), 2583-2589
CODEN: JCPRB4; ISSN: 0300-922X
PB Royal Society of Chemistry
DT Journal
LA English
OS CASREACT 126:143907
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
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| L Number | Hits | Search Text | DB | Time stamp |
|-------------|------|-----------------|--------------------|---------------------|
| 1 | 131 | (564/338).CCLS. | USPAT; US-PGPUB | 2003/12/03 15:42 |
| 2 | 169 | (514/650).CCLS. | USPAT; US-PGPUB | 2003/12/03 15:42 |